

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: STEP ASSEMBLY Part #: 62320-01  
Approval #: SH00-48 Serial #: —  
WO #: 2004-08 Quantity: 1  
Eligibility: BELL 206L / 407 Work Status: Manufactured  
Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

27 Aug 2004  
Date

[Signature]  
Inspector's Signature

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: \_\_\_\_\_ Part #: \_\_\_\_\_  
Approval #: \_\_\_\_\_ Serial #: \_\_\_\_\_  
WO #: \_\_\_\_\_ Quantity: \_\_\_\_\_  
Eligibility: \_\_\_\_\_ Work Status: Manufactured  
Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inspector's Signature

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: \_\_\_\_\_ Part #: \_\_\_\_\_  
Approval #: \_\_\_\_\_ Serial #: \_\_\_\_\_  
WO #: \_\_\_\_\_ Quantity: \_\_\_\_\_  
Eligibility: \_\_\_\_\_ Work Status: Manufactured  
Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inspector's Signature

# WORK ORDER

Order Date: 24/08/04  
D / M / Y

W.O. Number # 2004-08  
Current yyyy - 000

Customer Purchase Order: n/a

Expected Completion Date: n/a

NOTE: A new file must be opened for each work order and a unique sequential number assigned.

This Work Order is part of a set of Incorporated Documents referenced in the Quality Program Manual of AERO Design Ltd. as Process Control Forms. It has been developed in compliance with the quality records requirements of an *Approved Manufacturing Facility* of aeronautical parts and products under CARS PART V Chapter 61, and AWM Advisories 561/1, 2, 3A & 4 effective January 1, 1986.

  
\_\_\_\_\_  
President, AERO Design Ltd.

## A. PREPARATION

### 1. Type Approval Authority

All work detailed in this Work Order is to be completed in accordance with:

Supplemental Type Certificate: SH00-48 Issue: 4 (pending)

### 2. Scope of Work

#### a) Complete Product

☒ Fabrication of 5, 62320-01  
Qty Item

☐ Traceability: Serial Numbers: From # n/a To # n/a  
xxx-xxx xxx-xxx

☐ Document Serial Numbers in this Work Order *Section D - Final Inspection & Sign-Off of Aeronautical Products*

☐ Record Serial Numbers in *Serial Number Control List* [Form 010].

OR

#### b) Component Parts

☐ Fabrication of component parts of \_\_\_\_\_  
as detailed in this Work Order *Section B - Parts List*.

☐ Traceability: finished parts will be indelibly marked with this Work Order Number.

Notes: \_\_\_\_\_

Order Date: 24/08/04  
D / M / Y

W.O. Number # 2004-08  
Current yyyy - 000

3. Work Order Package Preparation

☒ Document Control List for SH00-48 issue 4; DCL 623 Rev.0

☒ Full set of new drawings for complete fabrication.

OR

☐ Partial set of new drawings for parts fabrication:

Drawing List: \_\_\_\_\_

Notes: \_\_\_\_\_

Order Date: 24/08/04  
D/M/Y

W.O. Number # 2004-08  
Current yyyy - 000

**B. PARTS LIST**

- ☒ **Complete fabrication:** This list may *not* be used as Final Inspection Record.
- ☐ **Partial fabrication:** This list may be used as Final Inspection Record.

Qty	Part No.	Description	Materials	Tracking Number PO# for raw stock WO# for finished component parts	Final Inspection (Parts mfg only) Accept (A) Non-Conforming (NC)
5	62320-01	RH STEP ASSY			
5	62320-04	CLAMP	4130 STEEL 2.5 x 0.065 RND TUBE	95 1024A	
5	62320-08	TUBE	4130 STEEL 1.0 x 0.055 RND TUBE	4003	
5	62320-06	END LUG	4130 STEEL 0.050 SHEET	2019	
10	62320-05	BUSHING	4130 STEEL 3/8 x 0.045 RND TUBE	970310	
5	62320-07	PAD	COMMERCIAL NEOPRENE RUBBER		

Notes: \_\_\_\_\_

\_\_\_\_\_

Order Date: 24/08/04  
D / M / Y

W.O. Number # 2004-08  
Current yyyy - 000

**C. INSPECTION & SIGN-OFF OF COMPONENT PARTS & ASSEMBLIES**

**1. Inspection of Welded Assemblies**

*I hereby certify that I have inspected the welding of the aeronautical parts and assemblies specified in this Work Order and have found it to be complete and conforming to the requirements specified in the Work Scope, except where specifically identified and noted as non-conforming.*

27/08/2004  
Date

  
Welder's Signature

\_\_\_\_\_  
License #



**2. Inspection of Component Parts**

*I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.*

27/08/2004  
Date

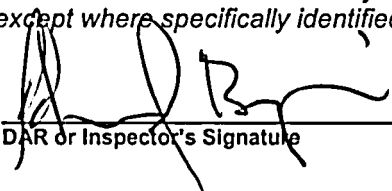
  
Inspector's Signature

**D. FINAL INSPECTION & SIGN-OFF OF AERONAUTICAL PRODUCTS**

ITEM	SERIAL NUMBER	ACCEPT YES/NO	NON-CONFORMANCES Non-Conformance Report #'s	ADDITIONAL REMARKS
1		Yes		5 PARTS

*I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.*

27/08/2004  
Date

  
DAR or Inspector's Signature

# WORK ORDER

Order Date: 13/08/04  
D / M / Y

W.O. Number # 2004-07  
Current yyyy - 000

Customer Purchase Order: n/a

Expected Completion Date: n/a

NOTE: A new file must be opened for each work order and a unique sequential number assigned.

This Work Order is part of a set of Incorporated Documents referenced in the Quality Program Manual of AERO Design Ltd. as Process Control Forms. It has been developed in compliance with the quality records requirements of an *Approved Manufacturing Facility* of aeronautical parts and products under CARS PART V Chapter 61, and AWM Advisories 561/1, 2, 3A & 4 effective January 1, 1986.

  
\_\_\_\_\_  
President, AERO Design Ltd.

## A. PREPARATION

### 1. Type Approval Authority

All work detailed in this Work Order is to be completed in accordance with:

Supplemental Type Certificate: SH00-48 Issue: 4 (pending)

### 2. Scope of Work

#### a) Complete Product

☒ Fabrication of 1 each, 62320-01, 62320-02  
Qty Item

☐ Traceability: Serial Numbers: From # n/a To # n/a  
xxx-xxx xxx-xxx

☐ Document Serial Numbers in this Work Order *Section D - Final Inspection & Sign-Off of Aeronautical Products*

☐ Record Serial Numbers in *Serial Number Control List* [Form 010].

OR

#### b) Component Parts

☐ Fabrication of component parts of \_\_\_\_\_  
as detailed in this Work Order *Section B - Parts List*.

☐ Traceability: finished parts will be indelibly marked with this Work Order Number.

Notes: \_\_\_\_\_

Order Date: 13/08/04  
D / M / Y

W.O. Number # 2004-07  
Current yyyy - 000

3. Work Order Package Preparation

☒ Document Control List for SH00-48 issue 4; DCL 623 Rev.0

☒ Full set of new drawings for complete fabrication.

OR

☐ Partial set of new drawings for parts fabrication:

Drawing List: \_\_\_\_\_

Notes: \_\_\_\_\_

Order Date: 13/08/04  
D / M / Y

W.O. Number # 2004-07  
Current yyyy - 000

## B. PARTS LIST

- ☒ Complete fabrication: This list may *not* be used as Final Inspection Record.
- ☐ Partial fabrication: This list may be used as Final Inspection Record.

Qty	Part No.	Description	Materials	Tracking Number PO# for raw stock WO# for finished component parts	Final Inspection (Parts mfg only) Accept (A) Non-Conforming (NC)
2	62320-04	CLAMP	4130 STEEL 2.5 X 0.065 RND TUBE	951024A	
2	62320-03	TUBES	4130 STEEL 1.0 X 0.058 RND TUBE	4803	
2	62320-06	END LUG	4130 STEEL 0.050 SHEET	2019	
4	62320-05	BUSHING	4130 STEEL 7/8 X 0.049 RND TUBE	970310	
2	62320-07	PAD	Commercial Nippon Rubber		
1	62320-02	L.H. STEP ASSY			
1	62320-01	R.H. STEP ASSY			

Notes: \_\_\_\_\_

\_\_\_\_\_


Order Date: 13/08/04  
D / M / Y

W.O. Number # 2004-04  
Current yyyy - 000

**C. INSPECTION & SIGN-OFF OF COMPONENT PARTS & ASSEMBLIES**

**1. Inspection of Welded Assemblies**

*I hereby certify that I have inspected the welding of the aeronautical parts and assemblies specified in this Work Order and have found it to be complete and conforming to the requirements specified in the Work Scope, except where specifically identified and noted as non-conforming.*

20/08/2004   
Date Welder's Signature License #

**2. Inspection of Component Parts**

*I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.*

20/08/2004   
Date Inspector's Signature

**D. FINAL INSPECTION & SIGN-OFF OF AERONAUTICAL PRODUCTS**

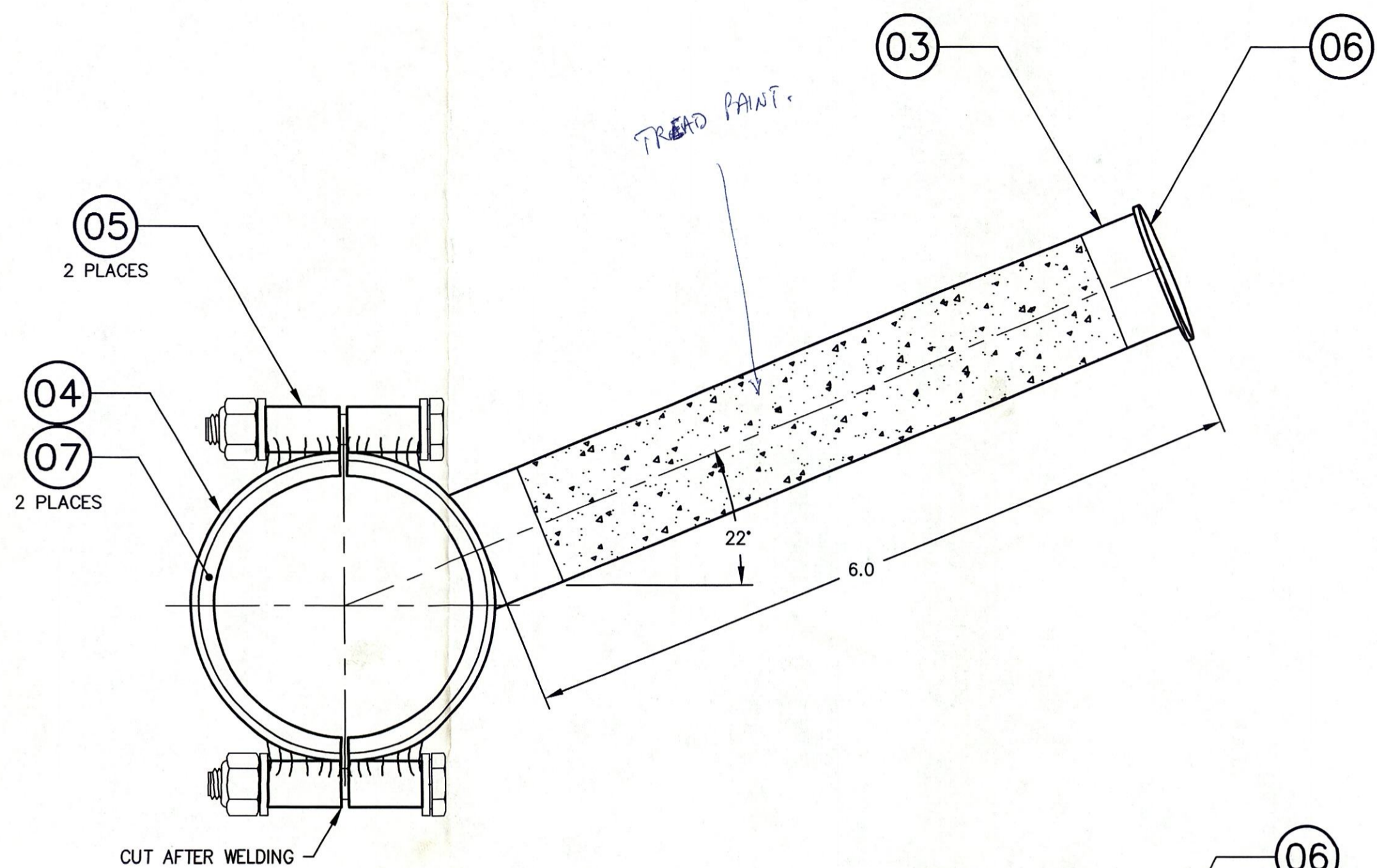
ITEM	SERIAL NUMBER	ACCEPT YES/NO	NON-CONFORMANCES Non-Conformance Report #'s	ADDITIONAL REMARKS
1	<u>      </u>	<u>YES</u>	<u>      </u>	

*I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.*

20/08/2004   
Date DAR or Inspector's Signature

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

HAVE 1 LEFT  
+ 1 RIGHT

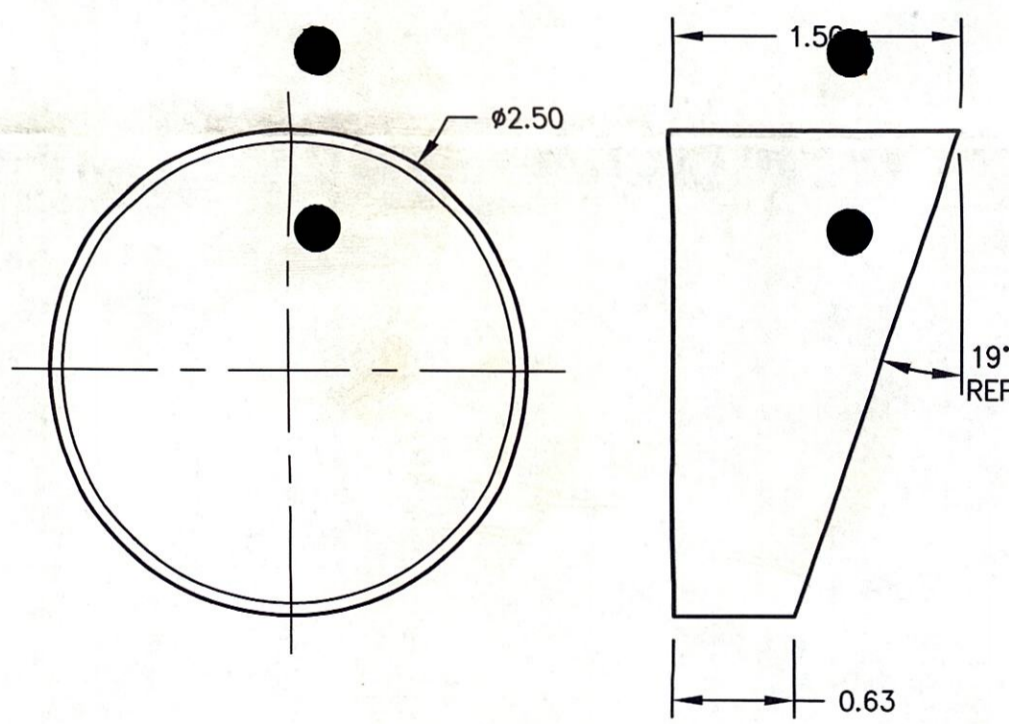
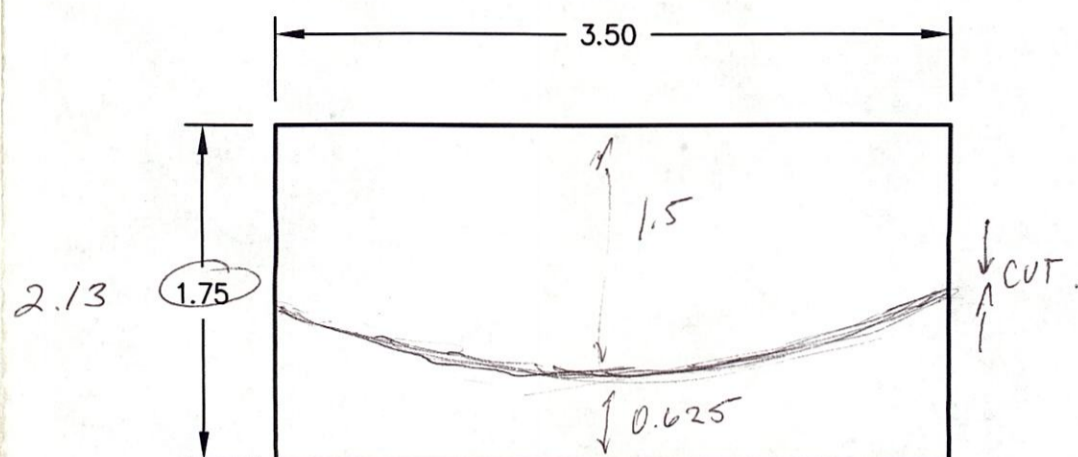
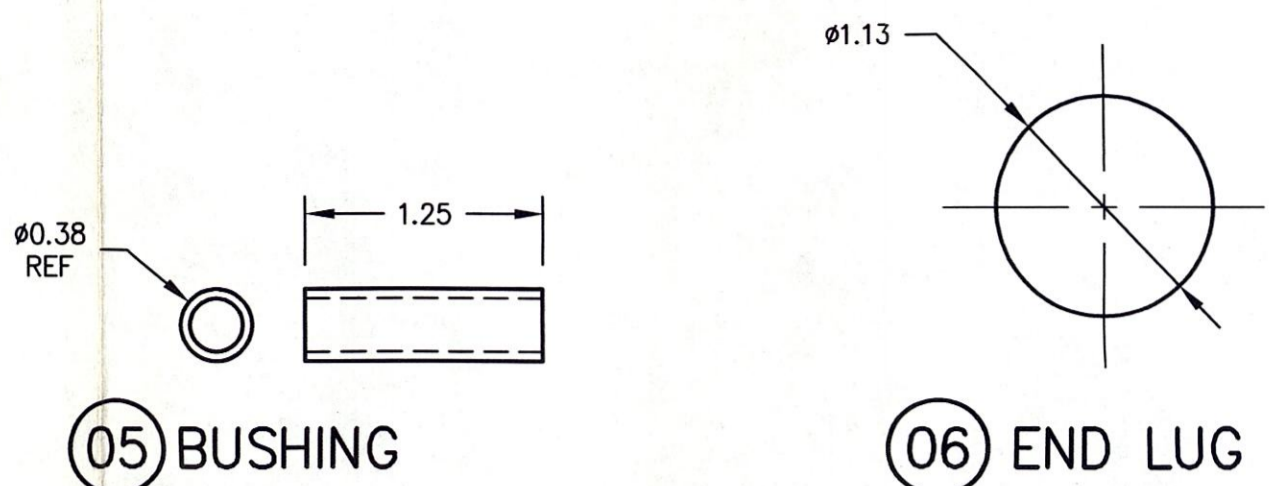


AN4-16A BOLT  
AN960-416 WASHER 2 REQ  
MS210444 NUT

01 L.H. STEP ASSEMBLY  
02 R.H. STEP ASSEMBLY  
01 SHOWN, 02 OPPOSITE

NOTES

STEP TUBE: PUT IN MILLING MACHINE @ 4° TIPPED UP.  
USING 2.5" DIA CUTTER (4 TOOTH)  
MILL IN 0.070  
MOVE TABLE UP THRU TUBE.



2	2	AN4-16A	BOLT				
4	4	AN960-416	WASHER				
2	2	MS21044N4	NUT				
2	2	62320-07	PAD	NEOPRENE RUBBER	COMMERCIAL	0.125 THICK	
1	1	62320-06	END LUG	4130 STEEL COND. N	MIL-S-18729	0.050 SHEET	
2	2	62320-05	BUSHING	4130 STEEL COND. N	MIL-T-6736	3/8 X 0.049 RND. TUBE	
1	1	62320-04	CLAMP	4130 STEEL COND. N	MIL-T-6736	2.5 X 0.065 RND. TUBE	
1	1	62320-03	TUBE	4130 STEEL COND. N	MIL-T-6736	1.0 X 0.049 RND. TUBE	
		62320-02	R.H. STEP ASSEMBLY (OPPOSITE)				
		62320-01	L.H. STEP ASSEMBLY (SHOWN)				
02	01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	QTY	LIST OF MATERIALS					

APPROVALS		DATE	AERO DESIGN LTD.			
DRAWN: JEFF CLARKE		13 AUG 2004	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
CHECKED: E. BURGOIN			2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
			tel: (403) 250-8027 fax: (403) 250-6333 aerodesign@telusplanet.net			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			BELL 206L SERIES, 407 AUXILLIARY STEP STEP ASSEMBLY			
DECIMALS		ANGLES	SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
X.XXX ±0.010		±1/2°	SHEET 1 OF 1	A1	62320	0
X.XX ±0.03						
X.X ±0.1						